

Amendments to Claims

Please amend claims 1, 5-7, 13, 22, and 26. Please cancel claim 21 without prejudice. Please add new claim 27. This listing of claims will replace all prior versions, and listings, of this application.

Listing of Claims:

1. (currently amended) Universal uninterruptible power supply (UPS) input circuitry configured for connecting a backup power system selected from one or more different types of backup power systems to a UPS system, the input circuitry comprising:

a diode bridge coupled to receive power from the selected backup power system;

a boost converter coupled to receive the power from the diode bridge;

an auxiliary converter coupled to ~~inputs of~~ the selected backup power system; and

a software unit coupled to the ~~input circuitry~~ boost circuitry and the auxiliary circuitry, wherein the software unit ~~configures the input circuitry to operate in conjunction with~~ controls the operation of the boost

circuitry and the auxiliary circuitry based on the selected backup power system.

2. (original) The input circuitry of claim 1, wherein the software unit monitors at least one parameter associated with the selected backup system.

3. (original) The input circuitry of claim 1, wherein the software unit monitors at least one parameter associated with the input circuitry.

4. (original) The input circuitry of claim 1, wherein the software unit provides a user interface that allows a user to select which backup system is coupled to the input circuitry.

5. (currently amended) The input circuitry of claim 1, wherein the software unit controls the ~~selected auxiliary converter to provide an operational signal~~ operation of the auxiliary converter and the boost circuitry.

6. (currently amended) The input circuitry of claim [[5]] 1, wherein the ~~operational signal is provided~~ auxiliary converter provides signals to the selected backup system to maintain the selected backup system in a ready state.

7. (currently amended) The input circuitry of claim [[5]] 1, wherein the ~~operational signal is provided~~ auxiliary converter provides signals to the diode bridge to compensate for signals generated by the selected backup system.

8. (original) The input circuitry of claim 1, wherein the software unit configures the auxiliary unit to operate as a motor controller.

9. (original) The input circuitry of claim 1, wherein the software unit configures the auxiliary unit operate as a battery charger.

10. (original) The input circuitry of claim 1, wherein the software unit configures the auxiliary unit to operate as an active filter.

11. (original) The input circuitry of claim 1, wherein the diode bridge comprises a plurality of diodes.

12. (original) The input circuitry of claim 1, wherein the diode bridge comprises a plurality of thyristors.

13. (currently amended) A method for configuring universal uninterruptible power supply (UPS) input circuitry to connect a backup power system selected from one or more different back-up systems to a UPS system, the method comprising:

coupling the selected backup system to the input circuitry;

~~indicating~~ providing an indication of which backup system was is selected ~~to a software unit~~;

configuring the input circuitry to operate in conjunction with the selected backup system based on the indication; and

operating the input circuitry such that power is substantially continuously provided to a load.

14. (original) The method of claim 13, wherein the indication comprises selecting a particular type of backup system that is coupled to the input circuitry.

15. (original) The method of claim 13, wherein the configuring comprises activating a first monitoring device.

16. (original) The method of claim 13, wherein the operating comprises controlling an auxiliary converter to provide a motoring function for the selected backup system.

17. (original) The method of claim 13, wherein the operating comprises controlling an auxiliary converter to provide a battery charging function for the selected backup system.

18. (original) The method of claim 13, wherein the operating comprises controlling an auxiliary converter to provide an active filtering function for signals generated by the selected backup system.

19. (original) The method of claim 13, wherein the operating comprises ensuring that the selected backup system is constantly ready to provide power to the load.

20. (original) The method of claim 13, further comprising upgrading software resident in the software unit to accommodate additional backup power systems.

21. (cancelled)

22. (currently amended) An uninterruptible power supply (UPS) system ~~configured~~ which is configurable for connection to at least one backup power system, said UPS system comprising:

universal UPS input circuitry having first circuitry required for connecting said at least one backup power system to said UPS system; and

a plurality of slots configured to receive additional circuitry such that said universal UPS input circuitry can interconnect and operate in connection with at least ~~another~~ one other backup power system that is different than said at least one backup power system coupled to said ~~UPS system~~ first circuitry.

23. (original) The system of claim 22, wherein said additional circuitry comprises a diode bridge.

24. (original) The system of claim 22, wherein said additional circuitry comprises a boost converter.

25. (original) The system of claim 22, wherein said additional circuitry comprises an auxiliary converter.

26. (currently amended) The system of claim 22 further comprising a [[a]] third backup power system that can be coupled to said UPS system without utilizing said universal UPS input circuitry.

27. (new) An uninterruptible power supply (UPS) system, comprising:

a utility input for receiving AC power that is selectively provided to a load via a switch;

input circuitry that is configurable to operate in connection with at least one backup power system selected from one or more different types of backup power systems;

inverter circuitry coupled to said load, said switch, and said input circuitry; and

a software unit coupled to said input circuitry and said inverter circuitry that configures said input circuitry to operate in connection with said at least one selected backup power system, said software unit operative to control the flow of power from said at least one selected backup power system to said load by controlling said input circuitry and said inverter circuitry.